

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application Of:)	
)	
Mark J. Cooper et al.)	Group Art No.: TBA
)	
Serial No: TBA)	Examiner: TBA
)	
Filed: September 8, 2003)	Docket No.: 03659.00029
For: LYOPHILIZABLE AND ENHANCED COMPACTED NUCLEIC ACIDS		

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

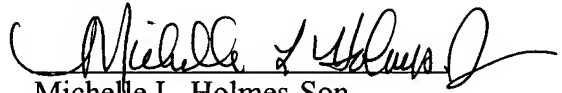
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, enclosed is a PTO Form 1449 listing documents for consideration by the Examiner in the subject application. Copies of the cited references were submitted in parent Application No. 09/867,693 or were provided by the Examiner attached to an Office Action. No fee is believed to be due to ensure consideration and entry of the cited documents by the Examiner. However, if a fee is deemed necessary, the Commissioner is authorized to charge our Deposit Account No. 19-0733.

Respectfully submitted,

Dated: September 8, 2003


Michelle L. Holmes-Son
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	2
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Complete if Known

Application Number	TBA
Filing Date	September 8, 2003
First Named Inventor	Mark COOPER
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	003659.00029

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 1031626	08/30/2000	Erbacher, et al.		
		WO 97/30731	08/28/1997	Lollo, et al.		
		WO 98/46274	10/28/1998	Burgess, et al.		
		WO 98/19710	05/14/1998	Schacht, et al.		

**Examiner
Signature**

Date
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
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Sheet 2 of 2

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First Named Inventor	Mark COOPER
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Examiner Name	TBA
Attorney Docket Number	003659.00029

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Aberle, et al., "The counterion influence on cationic lipid-mediated transfection of plasmid DNA", Biochemica et Biophysica Acta, 1996, pages 281-283, Elsevier Science B.V.	
		Allison, et al., "Mechanisms of Protection of Cationic Lipid-DNA Complexes During Lyophilization", Journal of Pharmaceutical Sciences, 2000, pages 682-691, vol. 89, no. 5, Wiley-Liss, Inc., & American Pharmaceutical Association.	
		Choi, et al., "Lactose-Poly (ethylene Glycol)-Grafted Poly-L-Lysine as Hepatoma Cell-Targeted Gene Carrier", Bioconjugate Chem., 1998, pages 708-718, vol. 9, American Chemical Society.	
		Cortesi, et al., "Effecy of DNA Complexion and Freeze-Drying on the Physicochemical Characteristics of Cationic Liposomes", Antisense & Nucleic Drug Development, 2000, pages 205-215, vol. 10, Mary Ann Liebert, Inc.	
		Katayose, et al., "Remarkable Increase in Nuclease Resistance of Plasma DNA through Supramolecular Assembly with Poly (ethylene glycol)-Poly (L-lysine)", Journal of Pharmaceutical Sciences, 1998, vol. 87, no. 2, American Chemical Society and American Pharmaceutical Association.	
		Katayose, et al., "Water-Soluble Polyion Complex Associates of DNA and Poly (ethylene glycol)-Poly (L-lysine) Block Copolymer", Bioconjugate Chem., 1997, pages 702-707, American Chemical Society.	
		Kilcher, et al., "Influence of the DNA Complexation Medium on the Transfection Efficiency of Lipospermene/DNA Particles", Gene Therapy, 1998, pages 855-860, vol. 5, MacMillan Press LTD., Basingstoke, Great Britain.	
		Kwok, et al., "Strategies for Maintaining the Particle Size of Peptide DNA Condensates Following Freeze-Drying", International Journal of Pharmaceutics, 2000, pages 81-88, vol. 203, no. 1-2, Elsevier Science B.V.	
		Li, et al., "Lyophilization of Cationic Lipid-Protamine-DNA (LPD) Complexes", Journal of Pharmaceutical Sciences, 2000, pages 355-364, vol. 89, no. 3, Wiley-Liss, Inc., & American Pharmaceutical Association.	
		Noel, et al., "High Compacted DNA - Polymer Complexes Via New Polynorbornene Polycationic Latexes With Acetate Counterion", SCISEARCH Database, 2000, pages 8980-8983, vol. 16, no. 23, American Chemical Society, Washington, D.C.	
		Paxon, et al., "The Effect of Lyophilization on Plasmid DNA Activity", Pharmaceutical and Development Technology, 2000, pages 115-122, vol. 5, no. 1, Marcel Dekker, Inc.	
		Toncheva, et al., "Novel vectors for gene delivery formed by self-assembly of NDA with poly (l-lysine) grafted with hydrophilic polymers", Biochemica et Biophysica Acta, 1998, pages 354-368, Elsevier Science B.V.	
		Vinogradov, et al., "Self-Assembly of Polyamine-Poly (ethylene glycol) Copolymers with Phosphorothioate Oligonucleotides", Bioconjugate Chem., 1998, pages 805-812, vol. 9, American Chemical Society.	
		Serres, et al., "DNA Condensation and Transfection of Cells in Culture by a New Polynorbornane Polycationic Polymer, Langmuir 1999, pages 6956-6950, Vol. 15, American Chemical Society	
		Wagner, et al., "Direct Evidence for Counterion Release upon Cationic Lipid- DNA Condensation, Langmuir 2000, pages 303-306, Vol. 16, American Chemical Society	
		Marschall, et al., "Transfer of YACs up to 2.3 Mb intact into human cells with polyethylenimine, Gene Therapy, 1999, pages 1634-1637, Vol. 6	

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